

**From:** [Watson, James RADM](#)  
**Sent By:** [James.A.Watson@uscg.mil](mailto:James.A.Watson@uscg.mil)  
**To:** [Sam Coleman/R6/USEPA/US@EPA](#); [Steve Mason/R6/USEPA/US@EPA](#)  
**Cc:** [Sam Coleman/R6/USEPA/US@EPA](#); [Ronnie Crossland/R6/USEPA/US@EPA](#); [Hanzalik, James CAPT](#)  
**Subject:** RE: Bioremediation on Oil Spills  
**Date:** 05/14/2010 08:26 PM

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Thanks Sam

Sent with Good ([www.good.com](http://www.good.com))

-----Original Message-----

**From:** Coleman.Sam@epamail.epa.gov [<mailto:Coleman.Sam@epamail.epa.gov>]  
**Sent:** Friday, May 14, 2010 05:54 PM Eastern Standard Time  
**To:** Watson, James RADM; Steve Mason  
**Cc:** Sam Coleman; Ronnie Crossland  
**Subject:** Fw: Bioremediation on Oil Spills

This is the preliminary info. Perhaps someone from your staff can research to see if any of these ideas are suitable for use on this operation.

Steve Mason of my staff will be here through Sunday. His cell is 214.789.1871.

Samuel Coleman, PE  
Superfund Div Region 6  
214.665.6701 Ofc  
214.789.2016 Cell

Sent by EPA Wireless E-Mail Services

----- Original Message -----

**From:** Steve Mason  
**Sent:** 05/14/2010 04:39 PM CDT  
**To:** Sam Coleman  
**Subject:** Bioremediation on Oil Spills  
Under the NCP, Subpart J:

For spill situations that are not addressed by the preauthorization plans developed pursuant to paragraph (a) of this section, the OSC, with the concurrence of the EPA representative to the RRT and, as appropriate, the concurrence of the RRT representatives from the states with jurisdiction over the navigable waters threatened by the release or discharge, and in consultation with the DOC and DOI natural resource trustees, when practicable, may authorize the use of dispersants, surface washing agents, surface collecting agents, bioremediation agents, or miscellaneous oil spill control agents on the oil discharge, provided that the products are listed on the NCP Product Schedule.

There are currently 15 products on the Product Schedule listed as bioremediation agents:

INIPOL EAP 22  
WMI-2000  
OPPENHEIMER FORMULA  
MICRO-BLAZE  
VB591, VB997  
STEP ONE  
SYSTEM E.T. 20  
BET BIOPETRO  
OIL SPILL EATER 2  
PRISTINE SEA II  
LAND AND SEA RESTORATION PRODUCT 001  
S-200  
SPILLREMED  
JE1058BS  
BioWorld Bioremediation Hydrocarbon Treatment Products

The OSC must approve the use of bioremediation agents on spills not threatening human life. The OSC must have the concurrence of the Region 6 RRT for any in-situ bioremediation use unless specifically delegated to a state/local agency.

That request for concurrence should include:

- Exact location of spill or release;
- Type of material spilled or released;
- Amount spilled or potentially spilled;
- Name of product to be used;
- MSDS on product;
- Rate and method of application;
- Nearest surface waters;
- Forecasted weather conditions; and
- Monitoring strategy.

There have been several oil spill incidents in which bioremediation products have been used in an attempt to enhance oil biodegradation. Several of the larger incidents include:

- Amoco Cadiz, March, 1978, France
- Apex Barge, July, 1990, Galveston, TX
- Mega Borg, June, 1990, Texas Gulf Coast
- Prall's Island, January, 1990, New Jersey Coast
- Seal Beach, October, 1990, California Coast
- Exxon Valdez, March 1989, Prince William Sound, Alaska

Faithfully yours  
Steve

"Frequently, my thoughts get bored and walk  
down to my mouth. Often, this is a bad thing."

Steve Mason, EPA Region 6 (6SF-PE)  
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214-665-2276 / 214-665-2278 fax